2nd January, 2023

The
Project Director
WorldBank Funded Project

EXPRESSION OF INTEREST FOR THE POST OF DEPUTY DIRECTOR ECHNICAL / TRANSPORT ENGINEER

Dear Sir,

This refers to advertisement posted in newspapaers. I am submitting detailed CV alongwith other credentials for **EXPRESSION OF INTEREST FOR THE POST OF DEPUTY DIRECTOR TECHNICAL / TRANSPORT ENGINEER** at Donor Funded Project. I have relevant skills, knowledge and experience of more than fifteen (15) years in Civil & Transport Engineering field.

I am a Civil Engineer having specialization in Transportation planning & Engineering plus expertise in Design and Project Management. I have worked with Consultants and Government organizations as a Civil Engineer /Transport specialist where performed activities related to:

- Planning, preparation, and implementation of projects related to Civil Works, roads and traffic planning, design, and management.
- Conducted data collection and performed comprehensive data analysis of the projects.
- Prepared and presented various reports as per the specific scope i.e traffic data & analysis design interventions, mode specific solutions, rerouting, Parking Management.
- Prepared design reports submitted by the consultants regarding traffic pattern, proposed interventions, modes of transport, parking, roads and streets etc.
- Prepared Preliminary and detailed Designs for the projects related to roads
- Coordinated with project execution/Implementation team on site for design interpretations and monitored work progress.

Also I have worked as a Postgraduate Researcher at University of Coimbra, Portugal where conducted the research works on transportation Planning & management and environmental efficiency involving urban areas.

Previously, I have been Commonwealth Scholar and completed my studies at Institute of Transport Studies (ITS), University of Leeds as Msc (Eng) student in the subject Transport Planning and Engineering. I have also completed my Masters in Engineering Management at NED University of Engineering & Technology, Karachi, Pakistan

I have qualified myself with h experience and education in my specific field, therefore I request here that kindly consider my request as against my experience & qualification. I assure you to remain as an active team member at the Department.

Sincerely,

AMIR ALI SANGI

AMIR ALI SANGI
amirsangi@hotmail.com
Mob# 03340001908

AMIR ALI SANGI

PERSONAL

Address	:	Flat No. A-108, Shumail Heaven, Block 16, Gulistan –e- Johar , Karachi Faisal, Karachi
Nationality	:	Pakistani
Date and place of Birth	:	April 03, 1981, Larkana - Sindh - Pakistan
Email address	:	amirsangi@hotmail.com
Mobile#	:	03340001908
Skype id	:	amirsangi1

PROFESSIONAL PROFILE

	Position	Period	Organization
1.	Director (Infrastructure)	2020-till now	Umar Munshi Associates
2.	General Manager (Infrastructure)	2016-2020	Consultant Group (CG)
3.	Postgraduate Researcher,	2015-16	University of Coimbra / Massachusetts Institute of Technology (MIT)
3.	Director Technical	2014	Public Private Partnership (PPP) Unit, Finance Deptt, Government of Sindh
4.	Deputy /Acting Director Operations	2012-13	Zulfikarabad Development Authority,
5.	Engineer/Senior Engineer	2004-2010	National Engineering Services of Pakistan (NESPAK)

ACADEMIC PROFILE

	Institution	Year	Position/Qualification
6.	University of Coimbra , Portugal/ Massachusetts Institute of technology (MIT)	2014-15	Postgraduate Researcher, Transport Systems
7.	Institute of Transport Studies (ITS) University of Leeds, United Kingdom	2010-11	Msc(Eng) Transport Planning and Engineering
8.	NED University of Engineering & Technology Karachi.	2005-07	M.E. (Civil Engineering) Engineering Management
9.	Quaid-e-Awam University of Engineering Sciences & Technology	1999-2004	B.E. (Civil Engineering)

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RELEVANT SKILLS /KNOWLEDGE/ACTIVITIES

Transport Planning

- Capacity Analysis and traffic studies
- Alignment Studies
- Traffic studies and traffic volume data collection & analysis
- Traffic Management
- Designed, interpreted and presented transport and travel surveys.
- Wrote reports and presented options and recommendations to clients.
- Used mathematical and computer simulation models to forecast the effects of different road improvements, policy changes and public transport schemes.
- Evaluated the benefits and costs of different scheme options or strategies.
- Assessed the transport effects and infrastructure requirements (access, car parking, bus stops, cycle parking, etc) of new developments to support planning applications and to inform local authority development plans.
- Liaised and negotiated with different parties, e.g. planning and highways authorities, residents' groups, councilors/politicians, developers, transport providers, etc.
- Developed the design & construction plans for new or improved transport infrastructure, such as junction improvements, pedestrian priority schemes, bus interchange and bus priority facilities, car parking areas, etc.
- Development of policy and strategies for the government agencies, and other stakeholders
- Development of procedures & guidelines for transport and Mass Transit Authority
- Scope development of Public Policy and of Public Policy Analysis with techniques
- Specific program for the environmental challenges on society, and how they affect transport policy over the short and long term
- Development of Data Collection Methodologies
- Scope for use of latest communication technologies , trends and new developments
- Development of urban congestion solutions such as congestion/environment road pricing
- Scope development on sustainability and application in transport
- Development of projects with respect to use of Public transport systems
- Have knowledge in concepts of equity, accessibility , environment, low carbon society , economic efficiency

- Have skills about the safety and environmental principles being followed in the western world (Europe)
- Geometric design of Roads / Highways / Bridges / Underpasses
- Pavement design of Roads

Project Management

- Procurement of works,
- Contract management,
- Construction management,
- On site surveys
- Internal & external correspondence
- Planning of Development Schemes
- Production of Designs / Reviews
- Preparation of Bidding documents
- Preparation of Evaluation reports
- Alignment Studies and writing Technical reports
- Dealing with matters related to Land acquisitions
- Site surveys and investigations
- Managing office routine works
- Pre-qualification of consultants / contractors, inviting tenders , technical evaluation of bids,
- processing for approval and award
- Preparation of Cost Estimates
- Preparation of reports using computer softwares i.e AutoCAD, Ms Office, Ms Project and Primavera etc.
- Correspondence with Stakeholders
- and other Miscellaneous duties as & when assigned
- Worked as Technical Director and developed projects of Bridges, Roads, Traffic Management, Bus Rapid Transit Systems, Intercity Bus projects including terminals
- Developed Procurement strategy including PPP mode procurement
- Developed Procurement documents for Hiring of Consultants as well as Constructors
- Provided input in designing of the Transport projects considering the economical, financial, environmental, social, and other sector issues are incorporated in project designs

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- Development Working as a part of project team and the activities involve report writing, designing and project management of projects
- Working as a Management & Transport specialist on different projects. Performing comprehensive traffic analysis and prepared various reports on transport specific scope i.e traffic data , analysis & rerouting, Parking Management.
- Also preparing Preliminary and detailed Designs for the projects related to roads
- Attending various meetings with stakeholders related to coordination, consultation and presentation of data & designs.
- Participated in public consultation initiatives, including designing questionnaires and attending scheme exhibitions.
- Monitored Execution of the Projects with project deadlines , guidelines, compliance as per the specifications and administration documents
- Evaluated and finalized Project Completions reports as per the project documents, guidelines and budgets.
- Have been attending conferences particularly related to transport sector, also have presented abstracts and research papers
- Have been engaged in numerous trainings and contributed own part during academic as well as professional engagements

RELEVANT RESEARCH SKILLS/ACTIVITIES

- Transport Demand Modelling using Multiple Linear Regression, Discrete choice models and Generalized Linear Models
- Eco-efficiency Analysis by Multicriteria Approach (MCA)/ Analytic Hierarchy Process (AHP)
- Road Traffic Emissions in Historic centre of Coimbra, Portugal
- Air pollution external costs of alternative-fuel buses in urban area
- Contribution of public transport to the total emissions in historical centre of Coimbra
- Transport Policy Analysis of a virtual city using program PLUTO,
- Roundabout Analysis using Arcady / LinSig, Bus Lane Analysis at Leeds (section), Public Transport Policy and Analysis

COMPUTER SKILLS

- Transport Planning and Modelling softwares such as:

- ✓ Visum,
- ✓ Vissim,
- ✓ Aimsun,
- ✓ Arcady,
- ✓ Saturn,

- ArcGIS 10.2, Network Analyst, Model Builder
- AutoCAD (Drawing tool)
- AutoCAD Civil 3D
- Eagle Point (Geometric Design program like Roadcalc and surface modeling)
- Ms Project (Project management and Planning software)/ Primavera
- Windows all versions

Large Scale Projects Undertaken

- Benazir Bhutto International Airport with NESPAK
- New Gwadar International Airport with NESPAK
- Flyovers/ Underpasses, Karachi with NESPAK
- Transport Planning and Traffic Management Plan of DHA with NESPAK
- Engineering Designing of King Faisal University at Al-Ahsa , Saudi Arabia with NESPAK/ZFP JV
- Engineering Designing of Riyadh National Hospital (RNH) , Saudi Arabia with NESPAK/ZFP JV
- Various Works at SUPARCO including Buildings projects with NESPAK
- Project to Improve Financial Reporting & Auditing with NESPAK
- JF-17 Aircraft Production Line Establishment Project with NESPAK
- Pakistan International Container Terminal (PICT) with NESPAK
- Qasim International Container Terminal (QICT) with NESPAK
- Liquid Cargo Terminal at Port Qasim (BOT Project) with NESPAK
- Expansion of Peshawar Airport , with NESPAK
- Reconstruction / Upgradation of Runway of Jinnah International Airport, with UMA
- Reconstruction / Upgradation of Main Runway at Allama Iqbal International Airport , with UMA
- Feasibility Study and Detailed design of Railway Link between Peshawar and Jalalabad

- Various projects at Pakistan Naval Academy, Manora with CG
- Various projects in Balochistan (Turbat and Gawadar) such as Review of Gawadar Master Plan, Sangar Housing Scheme, Meerani Housing Scheme, Eiwan Oshun scheme. Eiwan Talaar Housing with CG
- BDA Complex at Gaddani with CG
- Planning and Designing of Office Secrertariat at Gawadar with CG
- Concept Planning of Five Star Hotel at Gawadar with CG
- Planning and Designing of Resort Housing at Patriata with CG
- Planning and Designing of Resort Housing at Ganz and Manbur (Gawadar) with CG
- Part of Team of Fazaya Housing Scheme , Karachi with CG
- Bus Rapid Transport System (BRTS), Karachi, with PPP Unit , GOS
- Shaheed Benazir Bhutto Intercity Bus and Terminal Project with PPP Unit , GOS
- Karachi Thatta Dual Carriageway project (49 Km) with PPP Unit , GOS
- Development of Zulfikarabad City with GOS

Projects Types Undertaken

- Feasibility Analysis
- Town Plans , Urban Planning
- Buildings
- Roads, Transport Planning and Traffic Management
- Infrastructure Planning
- Urban Roads /Bridges /Underpasses
- Airports
- Ports

Current Engagement

Name of Organization	**Umar Munshi Associates (UMA)**
Title of Position	Director Infrastructure
Location of Assignment	Karachi- Pakistan
Period of Assignment	9th March, 2020- till todate

Key Activities

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- Working as Project Manager and Specialist (Transportation/Infrastructure)
- Working as a part of project team and the activities involve report writing, designing and project management of projects
- Working as a Transport specialist on different projects. Performing comprehensive traffic analysis and prepared various reports on transport specific scope i.e traffic data , analysis & rerouting, Parking Management.
- Also preparing Preliminary and detailed Designs for the projects related to roads
- Attending various meetings with stakeholders related to coordination, consultation and presentation of data & designs.
- Also working as infrastructure lead and coordinating the project works.

Projects

- Reconstruction / Upgradation of Runway of Jinnah International Airport,
- Reconstruction / Upgradation of Main Runway at Allama Iqbal International Airport
- Transport Master Plan of Gilgit
- Interchange at 7th Avenue , Islamabad
- Feasibility Study and Detailed design of Railway Link between Peshawar and Jalalabad

Last Engagement

Name of Organization	**Consultant Group (CG)**
Title of Position	General Manager
Location of Assignment	Karachi- Pakistan
Period of Assignment	7th November, 2016- till todate

Key Activities

- Worked as Project Manager and Transport Specialist
- Working as a part of project team and the activities involve report writing, designing and project management of projects
- Working as a Transport specialist on different projects. Performing comprehensive traffic analysis and prepared various reports on transport specific scope i.e traffic data , analysis & rerouting, Parking Management.

- Also preparing Preliminary and detailed Designs for the projects related to roads
- Attending various meetings with stakeholders related to coordination, consultation and presentation of data & designs.
- Also working as infrastructure lead and coordinating the project works.

Projects

- Saddar , Karachi downtown area development
- Education & cultural zone area development
- Commercial area of empress market development
- Burns road food & recreational zone development
- Administrative zone development of Sindh Secretariat
- Various projects at Pakistan Naval Academy, Manora
- Various projects in Balochistan (Turbat and Gawadar) such as Review of Gawadar Master Plan, Sangar Housing Scheme, Eiwan Oshun scheme. Eiwan Talaar Housing
- BDA Complex at Gaddani

Last Engagement

Name of Organization	**University of Coimbra, Portugal**
	Massachusetts Institute of technology (MIT),USA
Title of Position	Researcher
Location of Assignment	Coimbra- Portugal
Period of Assignment	6th October, 2014 to 31st October, 2016

Key Activities

- Performed Research works on Urban Transport involving case study of Coimbra. The methodology involves using Traffic Flow model (Visum), ArcGIS, Transport Emission Model (TREM) and emission costing.
- Also participated in number of conferences related to transport planning, management . These conferences were hosted by various academic institutes at the locations such as Lisbon, Delft, Porto, Figueira da foz .
- Have been part of the academic team which made presentations at conferences

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Employer 1

Name of Employing Agency	Public Private Partnership (PPP) Unit, Finance Department, Government of Sindh
Title of Position	Director Technical
Location of Assignment	Karachi - Pakistan
Period of Assignment	13th May 2014 11th September, 2014

Key Activities

- Provided input into Public-Private Partnership (PPP) Projects and explicit / implicit financial costs to the government.
- Analyzed scope of work from the feasibility, transaction advisory stage and thereafter monitoring of works in coordination with the Independent Engineer and Line Department.
- Coordinated between transaction advisors, PPP Unit, lenders and GoS on the project structuring,
- Overseeing progress on various stages of projects at Administrative Department's level.
- Assisting in developing financial models and calculations such as EIRR.
- Reviewing Request for Proposals, Concession Agreements, Feasibitlity studies, Transaction documents and technical documents including designs
- Performing any other related task(s) as assigned by the GoS.

Projects

- Bus Rapid Transport System (BRTS), Karachi,
- Shaheed Benazir Bhutto Intercity Bus and Terminal Project
- Karachi Thatta Dual Carriageway project (49 Km)
- Jhirk Mullaktiar Bridge Project (on River Indus)

WORK EXPERIENCE

Employer 2

Name of Employing Agency	**Zulfikarabad Development Authority**
Title of Position	Acting Director Operations
Location of Assignment	Karachi - Pakistan

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Period of Assignment 19th March 2012 till 23rd October, 2013

Key Activities

- Procurement of works,
- Contract management,
- Construction management,
- On site surveys
- Internal & external correspondence
- Planning of Development Schemes
- Production of Designs / Reviews
- Preparation of Bidding documents
- Preparation of Evaluation reports
- Alignment Studies and writing Technical reports
- Dealing with matters related to Land acquisitions
- Site surveys and investigations
- Managing office routine works
- Pre-qualification of consultants / contractors, inviting tenders , technical evaluation of bids,
- processing for approval and award
- Preparation of Cost Estimates
- Preparation of reports using computer softwares i.e AutoCAD, Ms Office, Ms Project and Primavera etc.
- Correspondence with Stakeholders
- and other Miscellaneous duties as & when assigned

Projects

- Bridge Over Indus at Dhandhari, District Thatta
- Zulfikarabad Expressway Project, (44km)

WORK EXPERIENCE

Employer 3

Name of Employing Agency	**NESPAK**
Title of Position	Senior Engineer

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Location of Assignment	Karachi - Pakistan
Period of Assignment	3rd **May 2004 to** 31st **May 2010**

Activities

Assistant Project Manager

- Coordination and management of the projects.
- Correspondence with clients.
- Preparation of Project Execution Plans, work plans, activity schedules & control estimates
- Responsible for dealing with day to day matters of the project internally/externally
- Coordination with different specialties
- Finalization of various project submittals/drawings/documents
- Financial control of the projects internally/externally
- Preparation of agreements
- Preparation of Technical & financial proposals,
- Presentation to the Client at various stages
- Finalization of Project Reports such as status reports & design reports
- Preparations of drawings
- Preparation of BOQs, Specifications and Tender Documents

Projects

- Benazir Bhutto International Airport
- New Gwadar International Airport
- Quaidabad Flyover, Karachi
- Underpass at Korangi Road, Karachi
- Transport Planning and Traffic Management Plan of DHA
- Engineering Designing of AL-Watan Industrial Zone at Port Qasim
- Engineering Designing of Downstream Industrial Estate Zone at Pakistan Steel
- Environmental Impact Assessment (EIA) Study and Resettlement study of National Highway corridor
- Engineering Designing of King Faisal University at Al-Ahsa , Saudi Arabia
- Engineering Designing of Riyadh National Hospital (RNH) , Saudi Arabia
- Various Works at SUPARCO including Buildings projects
- Project to Improve Financial Reporting & Auditing

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- JF-17 Aircraft Production Line Establishment Project
- Pakistan International Container Terminal (PICT)
- Qasim International Container Terminal (QICT)
- Access Road for Power plant near Korangi Fisheries Harbour.
- Liquid Cargo Terminal at Port Qasim (BOT Project)
- Coal /Clinker/Cement Terminal at Port Qasim (BOT Project)
- Grain and Fertlizer Terminal at Port Qasim (BOT Project)

ACHIEVEMENTS

- MIT Portugal Scholar
- Commonwealth Scholar and completed studies under the Commonwealth Shared Scholarship Scheme
- Overall 2nd Position during Undergraduate Studies

REFERENCE:

- Will be furnished upon request.